

ABSTRACT

A high voltage discharge lamp lighting apparatus, wherein a high voltage required to light a high voltage discharge lamp can be obtained with the size of the whole apparatus reduced. A rectifier circuit (6), which is disposed on the secondary side of a transformer having a primary winding (3), a secondary winding (4) and a core (5) to receive a secondary side voltage, has a forward function and a flyback function. A voltage-doubler circuit (7) adds an output voltage generated by the rectifier circuit (6) to the secondary side voltage. Inclusion of the rectifier circuit (6) and voltage-doubler circuit (7) can efficiently boost the secondary voltage. Additionally, an inverter circuit (8) and a booster circuit (9) are disposed in a stage following the voltage-doubler circuit (7).